of new railway lines were conducted (completed) during the year 1991-92:

1. Jagadhri-Chandigarh (81 km) new BG line
2. Rohtak-Hissar *via* Hansi (90 km) and Hissar-Hansi-Jind (69 km)
3. Bilara-Bar BG line (50 km)

(c) and (d) No, Sir.

(e) Does not arise.

Inadequate lights etc. at the railway Crossing:

381. SHRI RAMJI LAL: Will the Minister of RAILWAYS be pleased to state:

(a) whether Government have received some complaints regarding inadequate arrangements of lights, etc. at the railway crossing near cities/stations, in the country;

(b) if so, whether the similar inadequacy was the reason for the Train Accident on 28.9.92 at Hissar (route No. 4 HSP); and

(c) if so, the remedial steps taken by Government to check such accidents in the country?

THE MINISTER OF STATE IN THE MINISTRY OF RAILWAYS (SHRI MALLIKARJUN): (a) Yes, Sir.

(b) No, Sir.

(c) Does not arise.

Number of deals with A.B.B.

382. SHRIMATI SARALA MAHESH WARI:
SHRI MD. SALIM:

Will the Minister of RAILWAYS be pleased to state:

(a) the number of deals that have been finalised and are in the pipelines between ASEA Brown Boveri (ABB) and the Ministry of Railways;

(b) when such deals were finalised or negotiated together with the details; and

(c) how many of these deals contain provision for part indigenous production of the products?

THE MINISTER OF STATE IN THE MINISTRY OF RAILWAYS (SHRI MALLIKARJUN): (a) to (c) A statement is attached

Statement

No. of deals (Contracts)		Year of Finalisation	Name of the firm and Items ordered
Finalised	In Pipeline		
11	—	1987-88 = 1	On M/s. A.B.B., Vadodara for the supply of 28 Nos. 220 K.V. A.C. Double Pole SF 6 Circuit Breakers.
		1991-92 = 6	(i) Four contracts on M/s. A.B.B., Vadodara for the supply of 115 Nos. 25 K.V. SF 6 Interruptors and 119 Nos. 25 K.V. SF 6 circuit Breakers.
			(ii) One Contract on M/s. A.B.B., Vadodara for the supply of 1 No. 25 imported VTC 304 Turbocharger.

No. of deals (Contracts)		Year of Finalisation	Name of the firm and Items ordered
Finalised	In Pipeline		
			(iii) In one case advance letter of Acceptance has been issued for purchase of 30 Nos. 6000 H.P. 25 K.V. A.C. — 3 Phase Electric Locos alongwith associated spares in the form of three Loco sets with transfer of technology, from M/s. A.B.B., Switzerland. Detailed contract has not yet been issued.
		1992-93 = 4	(i) Two contracts on M/s. A.B.B., Vadodara for the supply of 11 Nos. 220 K.V. Gas Circuit Breakers and 73 Nos. 25 K.V. SF 6 Gas Interruptors.
			(ii) One Contract on M/s. A.B.B., Switzerland for import and supply of 200 Nos. VTC-304 Turbochargers under Swiss Mixed Credit.
			(iii) One contract on M/S A.B.B. Vadodara for indigenous development of 50 Nos. VTC-304 Turbochargers.

Transfer of technology, production of rolling stock

383. SHRI SUKOMAL SEN: Will the Minister of RAILWAYS be pleased to state:

(a) whether Government have received any offer from foreign manufacturer for transfer of technology and the subsequential indigenous production of rolling stock; and

(b) if so, what are the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF RAILWAYS (SHRI MALLIKARJUN): (a) Yes, Sir.

(b) The offers are against tenders floated by this Ministry. They are for transfer of Technology for:-

(i) Modern passenger coaches.

(ii) High horse power diesel locomotives.

(iii) Thyristor technology employing DC Motors & Rheostatic braking from M/s. ASEA/Sweden for 6000 HP Locomotives.

(iv) Thyristor technology employing DC Motors & Rheostatic braking from M/s. Sumitomo/Japan for 6000 HP Locomotives.

(v) 3 Phase technology employing a synchronous motors & Regnerative braking from M/s. ABB Switzerland for 6000 HP Locomotives.